

REC'D 29 MAR 2005

WIPO

PCP

PA 1278051

IB/05/051039

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

February 01, 2005

**THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM
THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK
OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT
APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A
FILING DATE UNDER 35 USC 111.**

APPLICATION NUMBER: 60/557,500 ✓

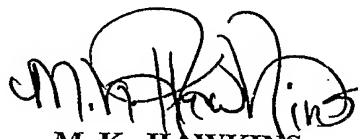
FILING DATE: March 30, 2004 ✓

PRIORITY DOCUMENT

**SUBMITTED OR TRANSMITTED IN
COMPLIANCE WITH RULE 17.1(a) OR (b)**

**By Authority of the
COMMISSIONER OF PATENTS AND TRADEMARKS**




M. K. HAWKINS
Certifying Officer

Please type a plus sign (+) inside this box → ☐

Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53 (c).

Express Mail Label No. EV 312 069 281

Date of Deposit: March 30, 2004

INVENTOR(S)		
Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)
FRANCIS BRIAN ED ANDERS	CHU REGIENCZUK STAMM SMITH	SINGAPORE, SG BRIARCLIFF MANOR, NEW YORK SUNNYVALE, CA BRIARCLIFF MANOR, NEW YORK

☐ Additional inventors are being named on the _____ separately numbered sheets attached hereto

TITLE OF THE INVENTION (280 characters max)

MULTI-ID KEY OR PERSONAL IDENTIFICATION DEVICE

Direct all correspondence to: CORRESPONDENCE ADDRESS

☒ Customer Number

24737

24737

OR

Type Customer Number here

<input type="checkbox"/> Firm or Individual Name	PHILIPS INTELLECTUAL PROPERTY & STANDARDS				
Address	P.O. BOX 3001				
Address	345 SCARBOROUGH ROAD				
City	BRIARCLIFF MANOR	State	NEW YORK	ZIP	10510-8001
Country	USA	Telephone	(914) 333-9608	Fax	(914) 332-0615

ENCLOSED APPLICATION PARTS (check all that apply)

☒ Specification Number of Pages

6

☐ CD(s), Number

☐ Drawing(s) Number of Sheets

16

☐ Other (specify)

☐ Application Data Sheet. See 37 CFR 1.76

METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT (check one)

☐ Applicant claims small entity status. See 37 CFR 1.27.

☐ A check or money order is enclosed to cover the filing fees

☒ The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: 14-1270

FILING FEE
AMOUNT (\$)

160.00

☐ Payment by credit card. Form PTO-2038 is attached.

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

☒ No.

☐ Yes, the name of the U.S. Government agency and the Government contract number are: _____

Respectfully submitted,

SIGNATURE

Date MARCH 30, 2004

TYPED or PRINTED NAME Aaron Waxler

REGISTRATION NO.: 48,027
(if appropriate)

TELEPHONE (914) 333-9608

Docket Number: US040169

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the complete provisional application to the PTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450

22859 U.S. PTO
60/557500

Philips Intellectual Property & Standards

Invention Disclosure Version 2.0.0 21-08-2003

This template is meant for making a detailed description of your invention off-line. The description can then later be attached in electronic form to your ID submission. You must also use this off-line description to obtain export clearance from your local export-control officer.

WARNING for inventors in the United States of America and China only. In these countries export control is applicable. Please use this ID template and get clearance from your local export control officer before sending your idea via Inventions On Line to IP&S.

Title of the invention:
Inventors' name(s) + e-mail
address(es):

Abstract of the invention:
(detailed description to be provided
on next page)

Multi-ID Key

Francis Chu, francis.chu@philips.com
Brian Regienczuk, brian.regienczuk@philips.com

Object that holds personal information, id, shopping profiles, etc. and allows users to control what type of info is being shared with systems in their proximity. Removable ID pieces that can each be removed, turned on/off individually, and programmed separately with specific settings.

Export Control Officer (US and China):

Before this ID can be submitted to the automated Invention On Line System of Philips Intellectual Property & Standards it is sent to you in your capacity of Export Control Officer of the entity (Research/Business Unit) the inventor(s) belong(s) to in order to obtain your legally required export clearance. Please fill out the following fields and return the completed form to the inventor/sender.

Name ECO: Terry Flannery

Research/ Business Unit: Consumer Electronics - NA

Export clearance yes/no: Yes

Export control clearance number: ECCN# EAR99 NLR

Letter of assurance required? (US): No

Any other comments:

Date of export control: 12/03/2003

In case of any questions ask IP&S Helpdesk ICT

Confidential. No disclosure of the contents to persons outside Philips is allowed without the written permission of Koninklijke Philips Electronics N.V. who is the owner of this information.



PHILIPS

Philips Intellectual Property & Standards

Invention Disclosure
Version 2.0.0 21-08-2003

This template is meant for making a detailed description of your invention off-line. The description can then later be attached in electronic form to your ID submission. You must also use this off-line description to obtain export clearance from your local export-control officer.

Detailed description of the invention

Please describe the invention using the headings below

Background of the invention

Begin the description of the invention with a short discussion of what is already known. If possible, include references to public documents, such as articles in technical journals, proceedings of conferences, brochures, or patent documents.

Credit cards and other membership cards have become part of the modern society. As technology becomes more prevalent (lots and lots of gadgets, cards, etc.) and persistent (on all the time, everywhere) the need arises for simplification of these technologies and gadgets.

With the integration of RFID-like technologies, items will be tracked in the store and much more information about how consumers shop will be available. The consumer may want to turn off the stores' ability to track/identify them. Or, the consumer may have a profile that they may want to share explicitly. One way to do this is via a switch on existing medium of the credit, loyalty, or membership card.

Problems or disadvantages overcome by the invention

Usually an invention solves a particular problem or removes some disadvantage of known methods/devices etc. Are the disadvantages/problems new or were they already known?

This invention helps give consumers more control over their personal information. It may serve to simplify the clutter of cards many consumers currently are asked to carry by multiple stores.

The consumer could also choose to remain anonymous to the store and its systems. This may become important when consumers are in a hurry or very focused and don't want to be distracted by ads, store staff, etc. Turning the card off would utilize an on/off switch on the card.

The essential feature(s) of the invention

The measures/device features that are proposed to solve the problem, and the resulting advantages. If the invention is based on a new understanding (insight), please indicate this.

1. Holder object that "holds" the id objects and turn them on/off
2. ID objects that are programmable and store the id code/info
3. Setting switch on the holder object that has X number of settings as you turn the individual id objects
4. Transmitter/receiver that talks to the shop or other systems, such as RFID communication

Detailed description of how to build and use the invention

Here all options, alternatives, improvements and enhancements (which we call "embodiments") are described. You should always include at least one fully explained embodiment with all the necessary details. Please add drawings, graphs, test data etc. where appropriate.

Confidential. No disclosure of the contents to persons outside Philips is allowed without the written permission of Koninklijke Philips Electronics N.V. who is the owner of this information.



PHILIPS

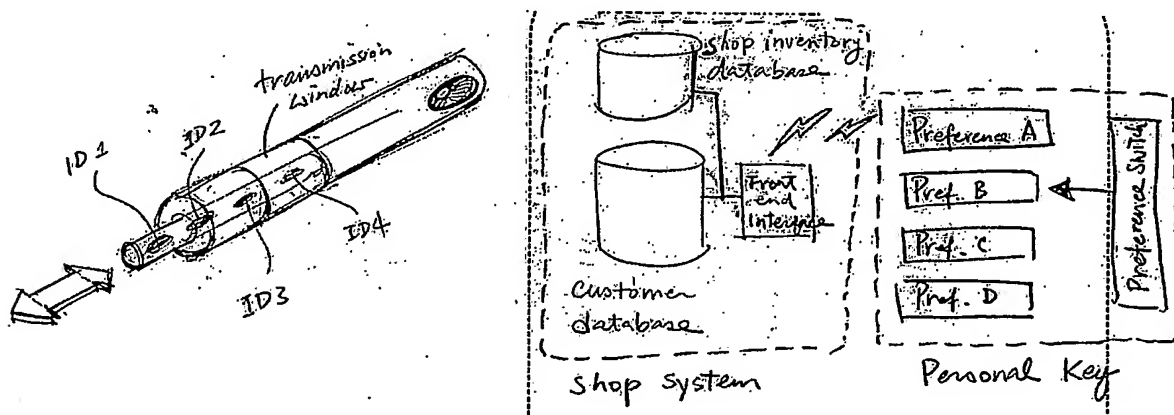
Philips Intellectual Property & Standards

Invention Disclosure

Version 2.0.0 21-08-2003

This template is meant for making a detailed description of your invention off-line. The description can then later be attached in electronic form to your ID submission. You must also use this off-line description to obtain export clearance from your local export-control officer.

The device allows users to select from multiple options by adding additional ID objects. Turning each ID on the holder object switches the ID to a different transmission or security level. As the position of the ID object changes, it allows the device to permit certain additional levels of access to consumer's information, profiles, etc.



Applications of the invention

Indicate here in which fields (technical, commercial) the invention can be applied. Please include any references to Philips products or projects relate to the invention.

Complete Personal ID/Info Utility

Credit cards: Visa, American Express, MasterCard, Discover

Loyalty cards: frequent flyer cards, grocery discount cards, etc.

Membership cards: gym membership, professional organizations, etc.

Employee ID/access cards

Hotel or building access card

Confidential. No disclosure of the contents to persons outside Philips is allowed without the written permission of Koninklijke Philips Electronics N.V. who is the owner of this information.



PHILIPS

Philips Intellectual Property & Standards

Invention Disclosure Version 2.0.0 21-08-2003

This template is meant for making a detailed description of your invention off-line. The description can then later be attached in electronic form to your ID submission. You must also use this off-line description to obtain export clearance from your local export-control officer.

WARNING for inventors in the United States of America and China only. In these countries export control is applicable. Please use this ID template and get clearance from your local export control officer before sending your idea via Inventions On Line to IP&S.

Title of the invention:
Inventors' name(s) + e-mail address(es):

RF Keychain Security
Ed Stamm, ed.stamm@philips.com
Anders Smith, anders.smith@philips.com
Brian Regienczuk, brian.regienczuk@philips.com
Francis Chu, francis.chu@philips.com

Abstract of the invention:
(detailed description to be provided on next page)

Object that holds personal information, id, shopping profiles, etc. and allows users to control what type of info is being shared with systems in their proximity.

Export Control Officer (US and China):

Before this ID can be submitted to the automated Invention On Line System of Philips Intellectual Property & Standards it is sent to you in your capacity of Export Control Officer of the entity (Research/Business Unit) the inventor(s) belong(s) to in order to obtain your legally required export clearance. Please fill out the following fields and return the completed form to the inventor/sender.

Name ECO: Terry Flannery

Research/ Business Unit: Consumer Electronics - NA

Export clearance yes/no: Yes

Export control clearance number: ECCN# EAR99 NLR

Letter of assurance required? (US): No

Any other comments:

Date of export control: 12/03/2003

In case of any questions ask IP&S Helpdesk ICT

Confidential. No disclosure of the contents to persons outside Philips is allowed without the written permission of Koninklijke Philips Electronics N.V. who is the owner of this information.



PHILIPS

Philips Intellectual Property & Standards

Invention Disclosure
Version 2.0.0 21-08-2003

This template is meant for making a detailed description of your invention off-line. The description can then later be attached in electronic form to your ID submission. You must also use this off-line description to obtain export clearance from your local export-control officer.

Detailed description of the invention

Please describe the invention using the headings below

Background of the invention

Begin the description of the invention with a short discussion of what is already known. If possible, include references to public documents, such as articles in technical journals, proceedings of conferences, brochures, or patent documents.

Credit cards and other membership cards have become part of the modern society. As technology becomes more prevalent (lots and lots of gadgets, cards, etc.) and persistent (on all the time, everywhere) the need arises for simplification of these technologies and gadgets.

With the integration of RFID-like technologies, items will be tracked in the store and much more information about how consumers shop will be available. The consumer may want to turn off the stores' ability to track/identify them. Or, the consumer may have a profile that they may want to share explicitly. One way to do this is via a switch on existing medium of the credit, loyalty, or membership card.

Problems or disadvantages overcome by the invention

Usually an invention solves a particular problem or removes some disadvantage of known methods/devices etc. Are the disadvantages/problems new or were they already known?

This invention helps give consumers more control over their information. It may serve to simplify the clutter of cards many consumers currently are asked to carry by multiple stores.

The consumer could also choose to remain anonymous to the store and its systems. This may become important when consumers are in a hurry or very focused and don't want to be distracted by ads, store staff, etc. Turning the card off would utilize the ability to select one's personal information transmission level or the distance that one's information could be scanned from.

Example: I'm in a friendly environment, open security scan me from distance X. I'm in a retailer that I don't want to have my information (i.e. Wal-Mart or novelty store), suppress transmission and only allow payment activity.

The essential feature(s) of the invention

The measures/device features that are proposed to solve the problem, and the resulting advantages. If the invention is based on a new understanding (insight), please indicate this.

1. Metal sleeve to guard information when device is not sharing any info.
2. Sleeve that can be positioned to indicate certain levels of info sharing (i.e. only share my basic details, share my power shopper profile, full access to my info.)



Philips Intellectual Property & Standards

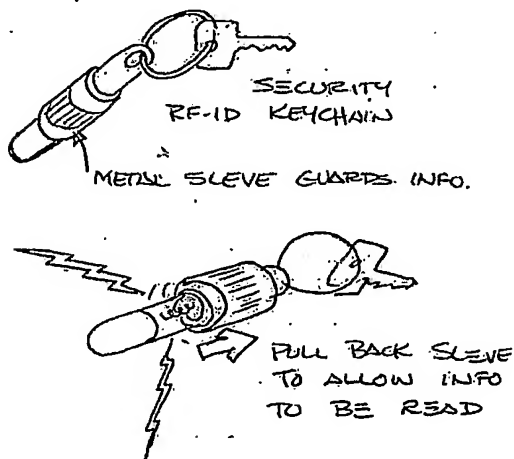
Invention Disclosure Version 2.0.0 21-08-2003

This template is meant for making a detailed description of your invention off-line. The description can then later be attached in electronic form to your ID submission. You must also use this off-line description to obtain export clearance from your local export-control officer.

Detailed description of how to build and use the invention

Here all options, alternatives, improvements and enhancements (which we call "embodiments") are described. You should always include at least one fully explained embodiment with all the necessary details. Please add drawings, graphs, test data etc. where appropriate.

The device allows users to select from multiple options by turning or pulling the sleeve to the indicated position. The position of the sleeve allows the device to permit certain additional levels of access to consumer's information, profiles, etc. The device can be completely turned off by closing the sleeve. The metal sleeve turns off the device, but also allows added security by blocking RF signals. See also "multi-id key" submission.



Applications of the invention

Indicate here in which fields (technical, commercial) the invention can be applied. Please include any references to Philips products or projects relate to the invention.

Credit cards: Visa, American Express, MasterCard, Discover

Loyalty cards: frequent flyer cards, grocery discount cards, etc.

Membership cards: gym membership, professional organizations, etc.

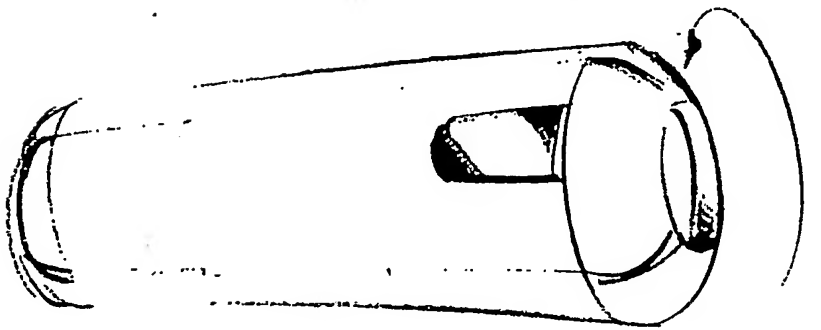
Employee ID/access cards

Hotel or building access card

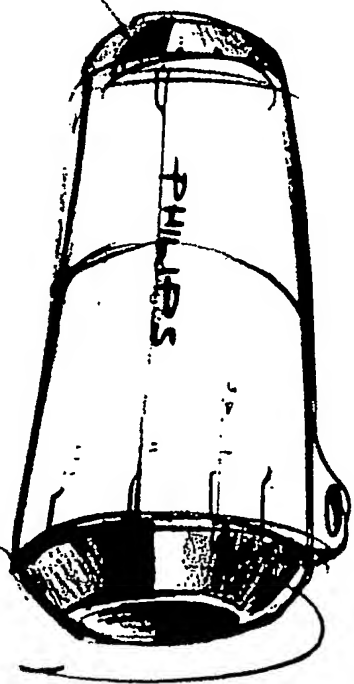
Confidential. No disclosure of the contents to persons outside Philips is allowed without the written permission of Koninklijke Philips Electronics N.V. who is the owner of this information.



PHILIPS



SHIR
END



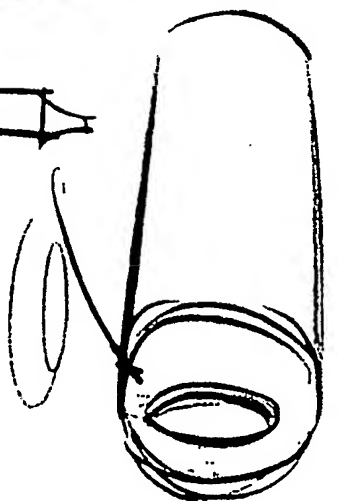
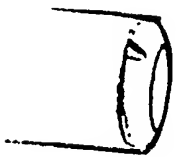
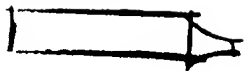
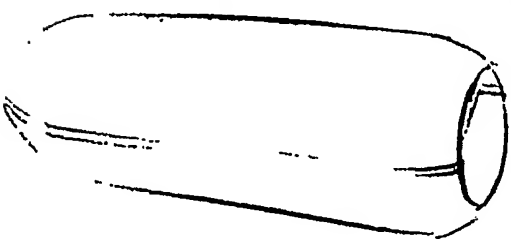
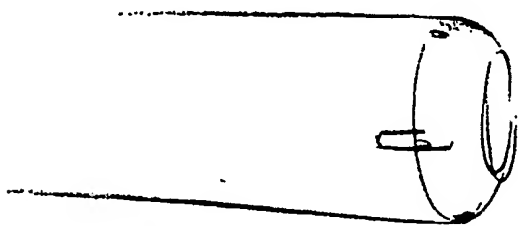
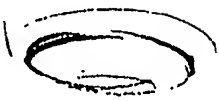
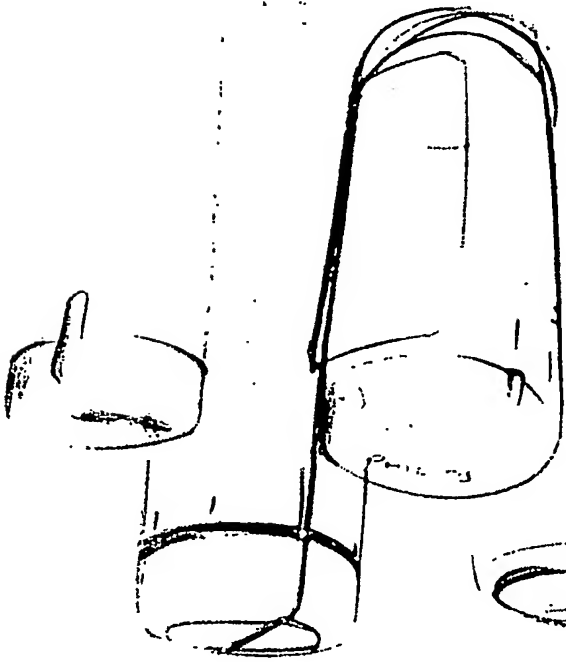
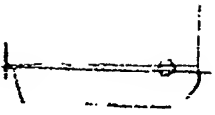
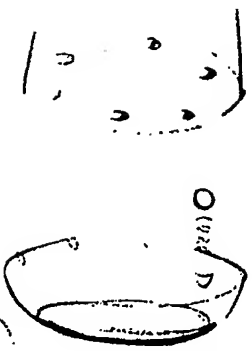
OTHER
END



SPRING COILED

ORIENTED

COMPRESSOR
CARTON



END

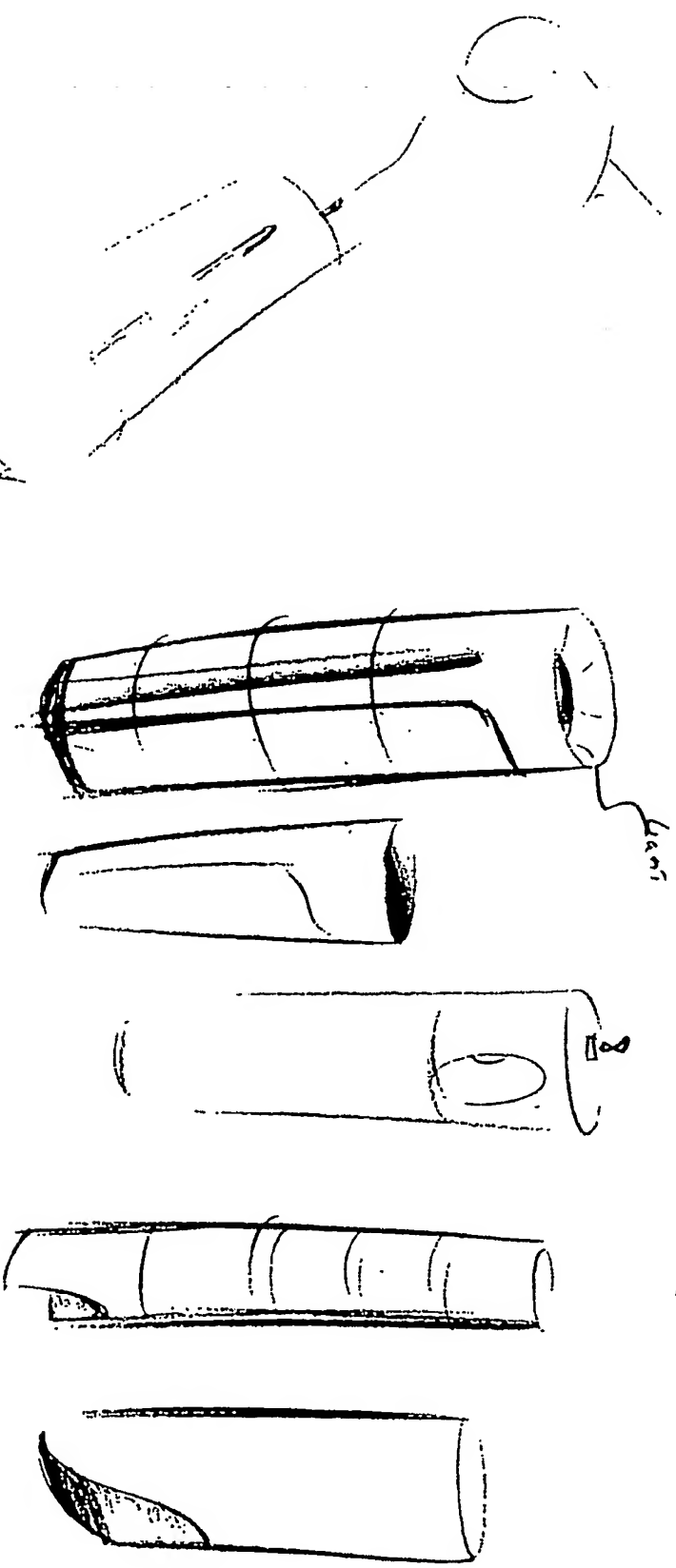
KEYCARD - SHOP ID / PERSONAL - PERSONAL / LEAVE ME ALONE /

CONF + HELP /
 SHARE ID INFO /
 DON'T SHARE.

OFFICE? - PERSONAL DEMANDS / CHANGE /

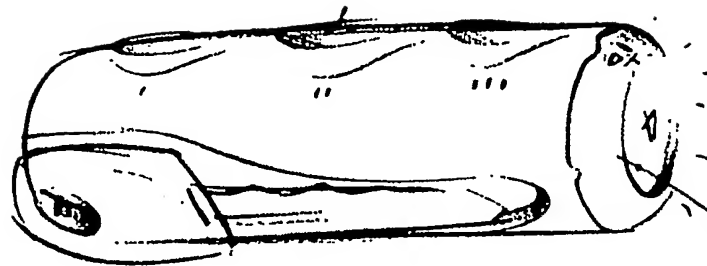
PEI

OFFICE SPACE

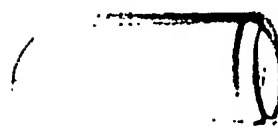
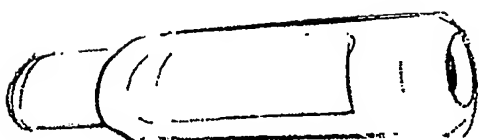
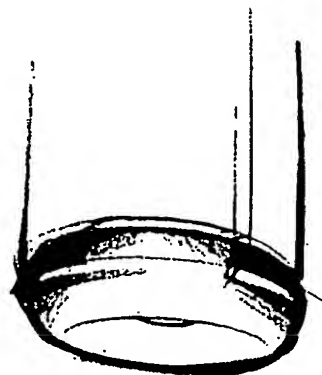
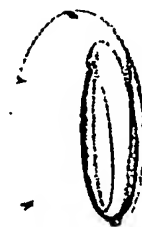
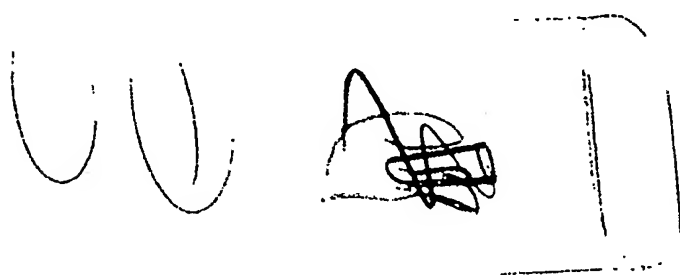


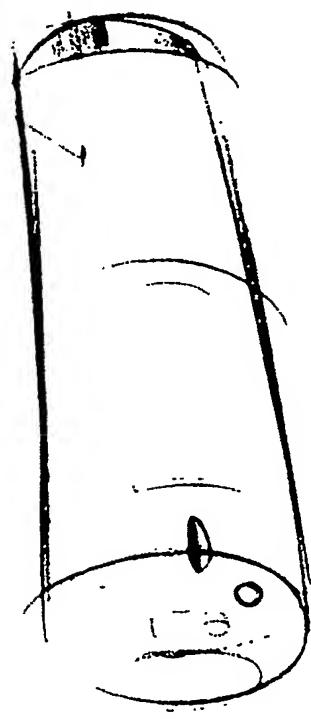
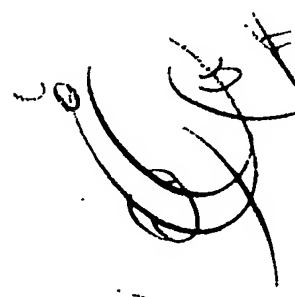
NOT UNIT

same as
2. pins

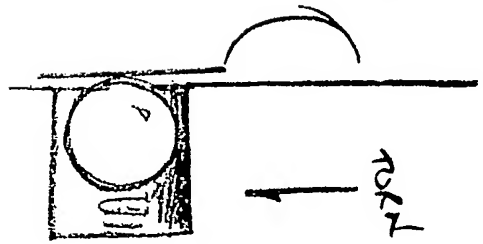
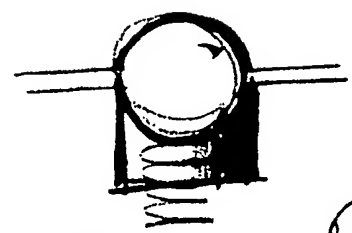
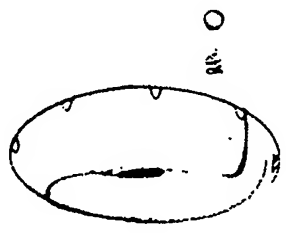
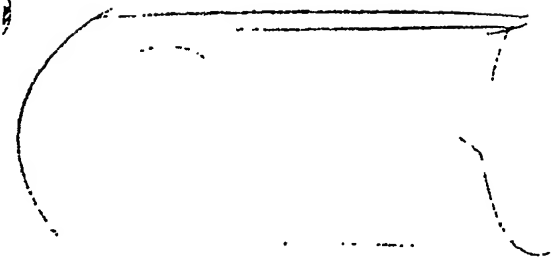
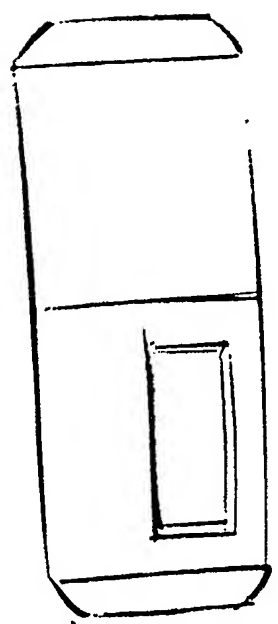


e-ink
switch paper

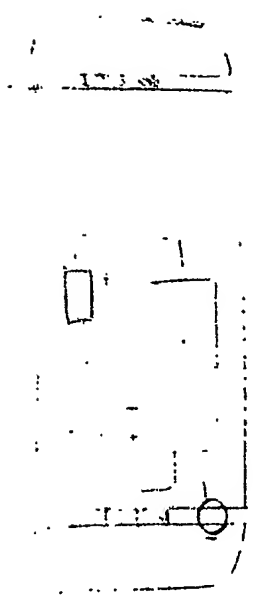


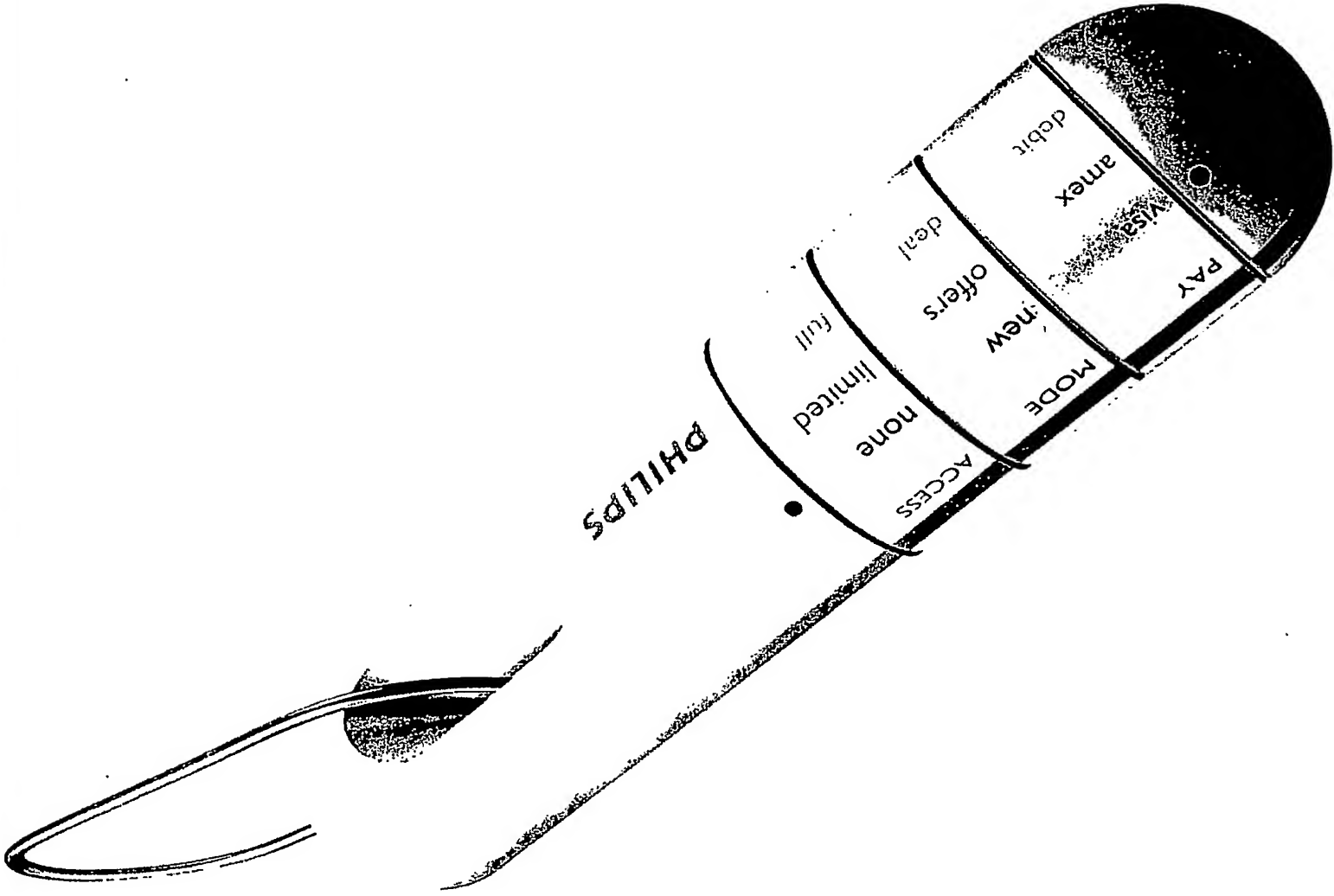


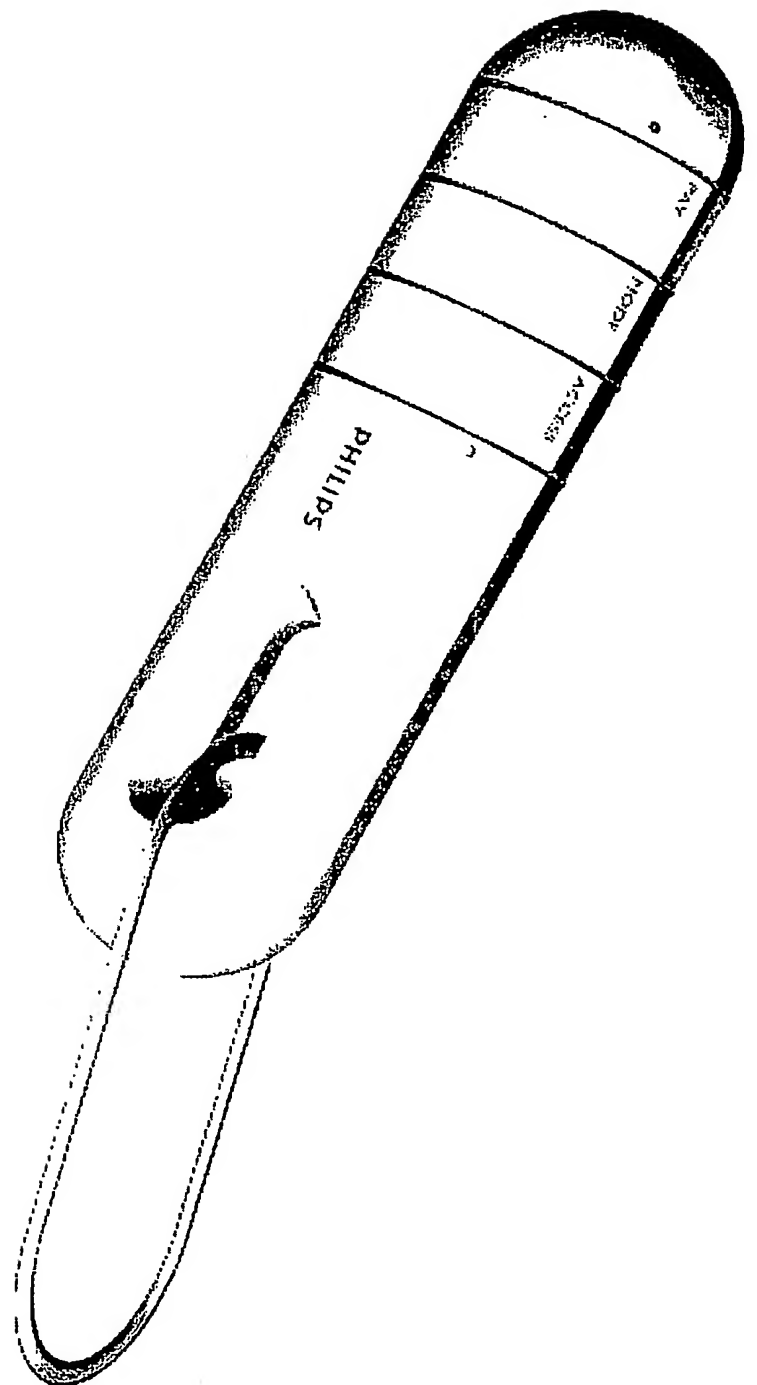
MACIND'S MACIND'S
Y.O.V

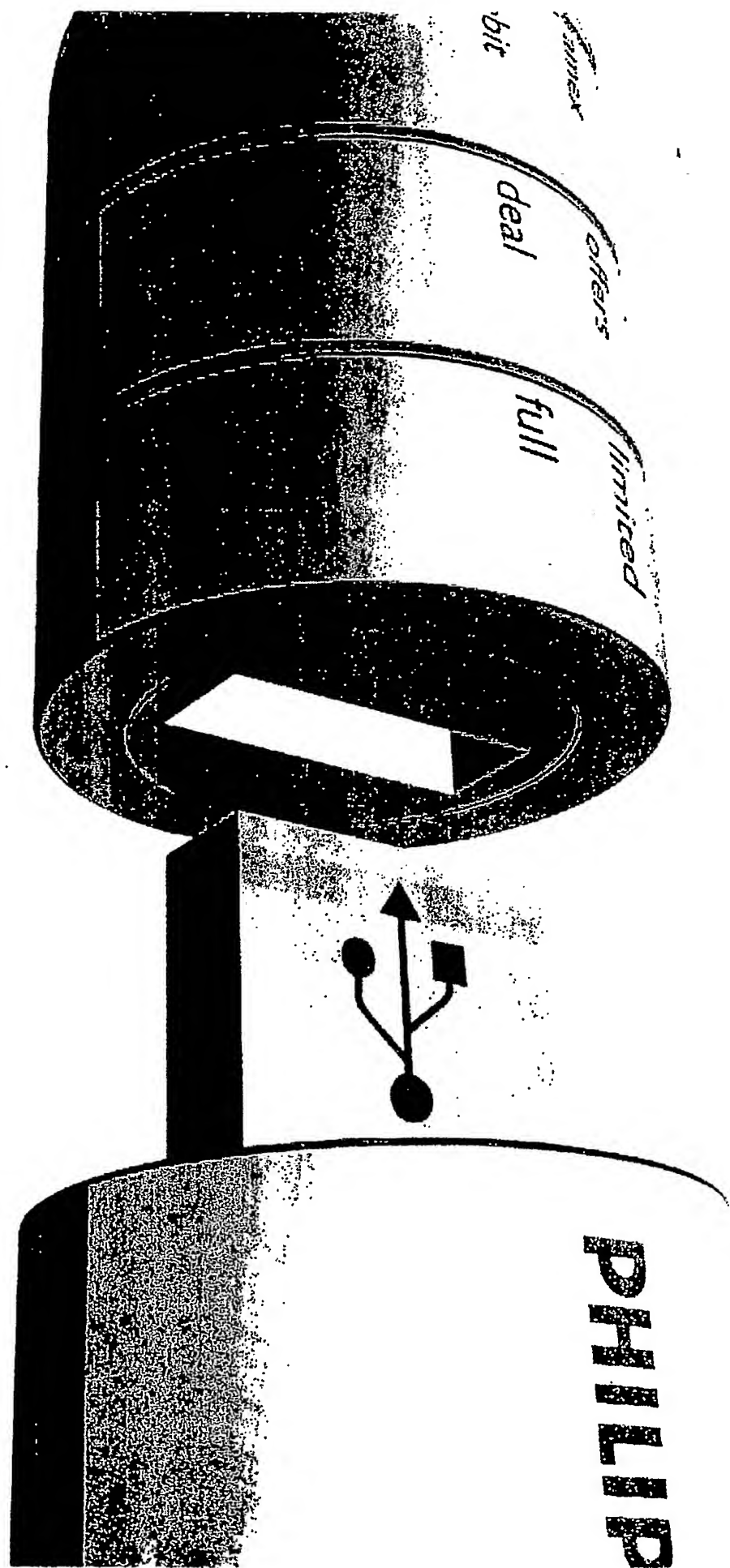


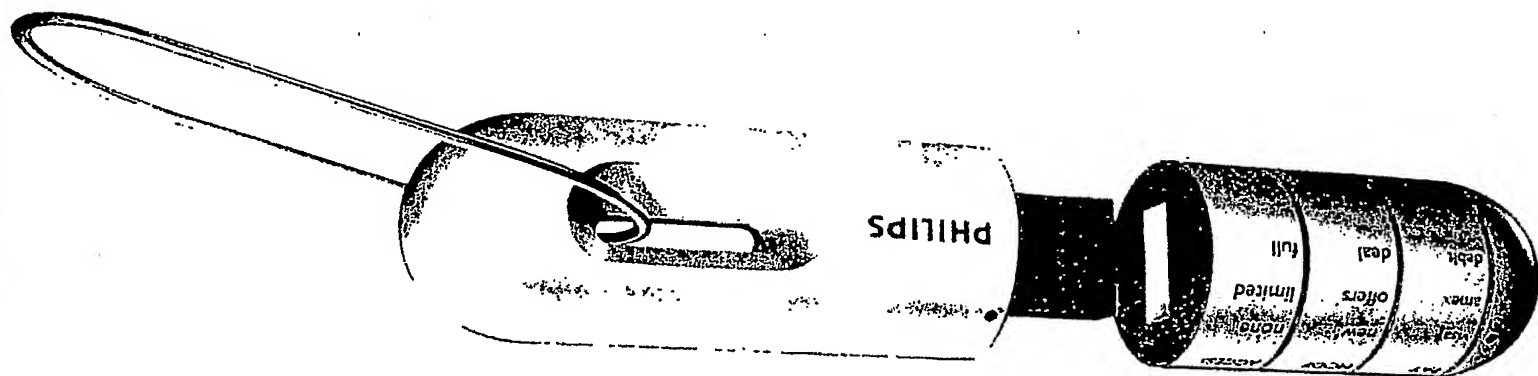
rock
↓

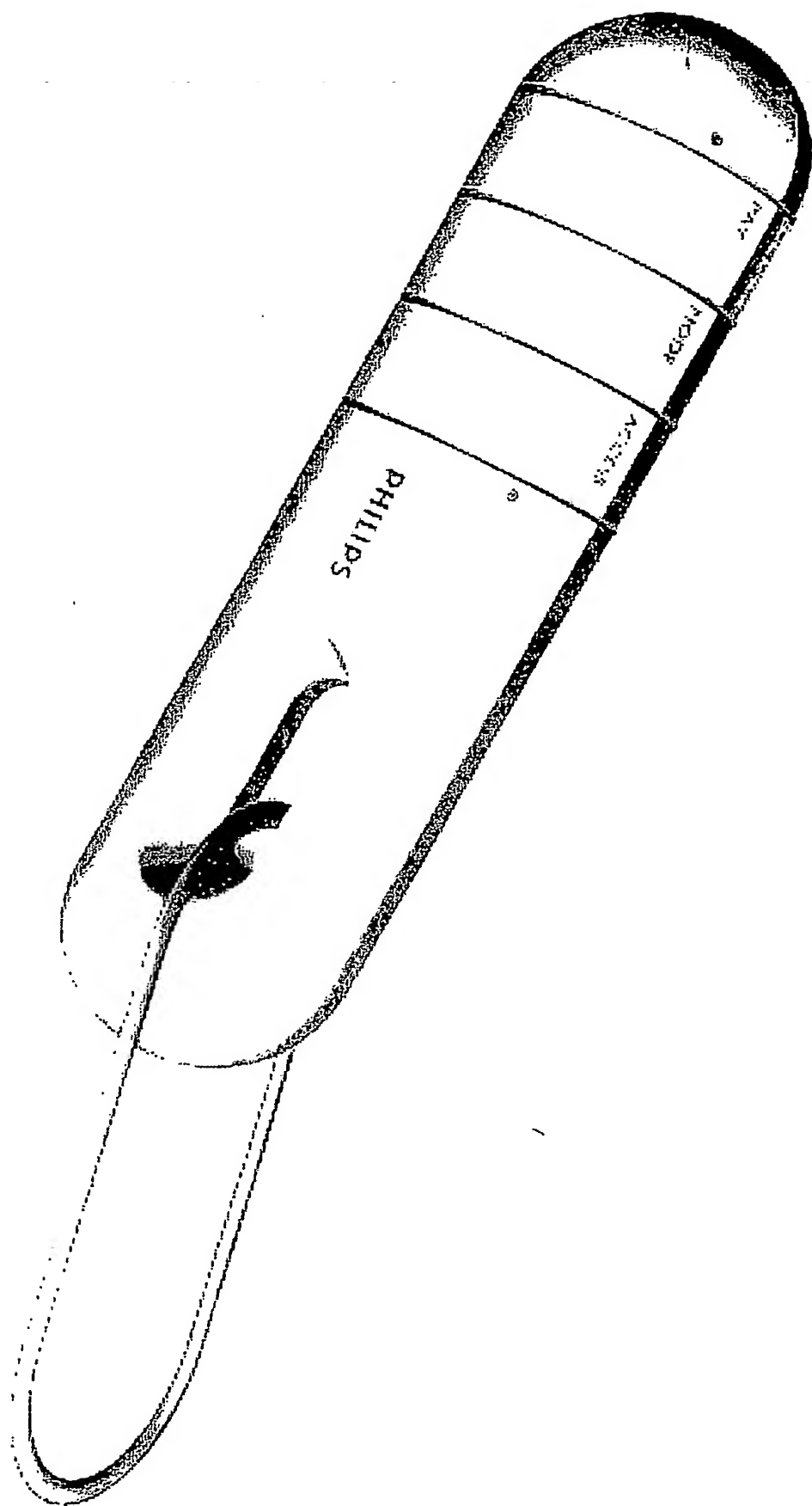


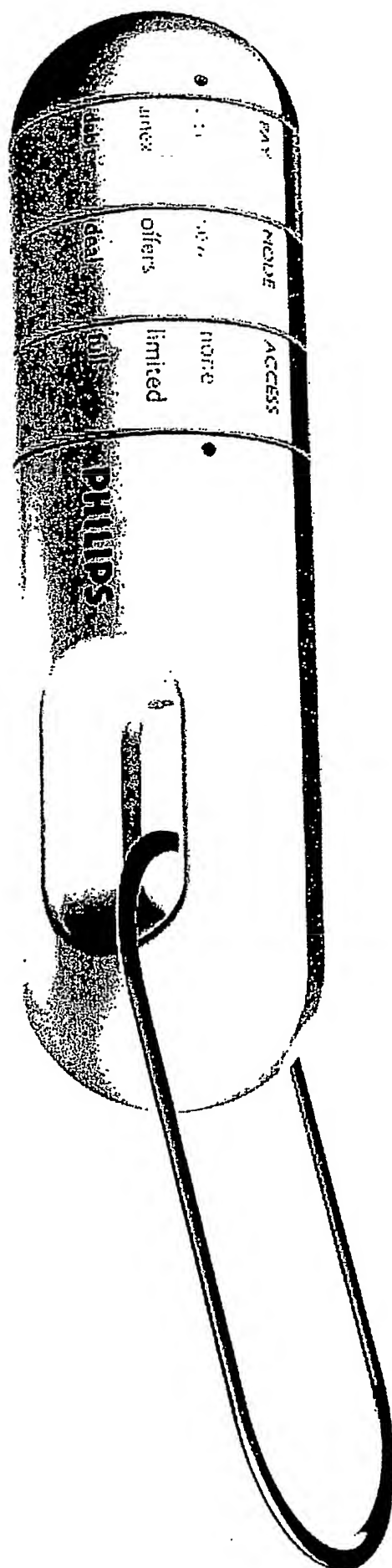


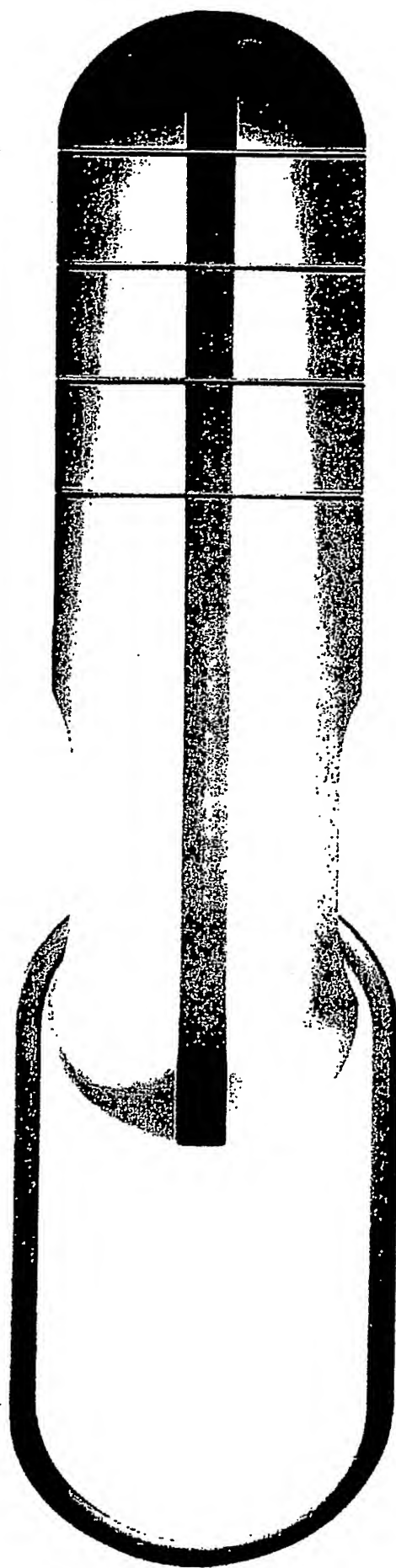


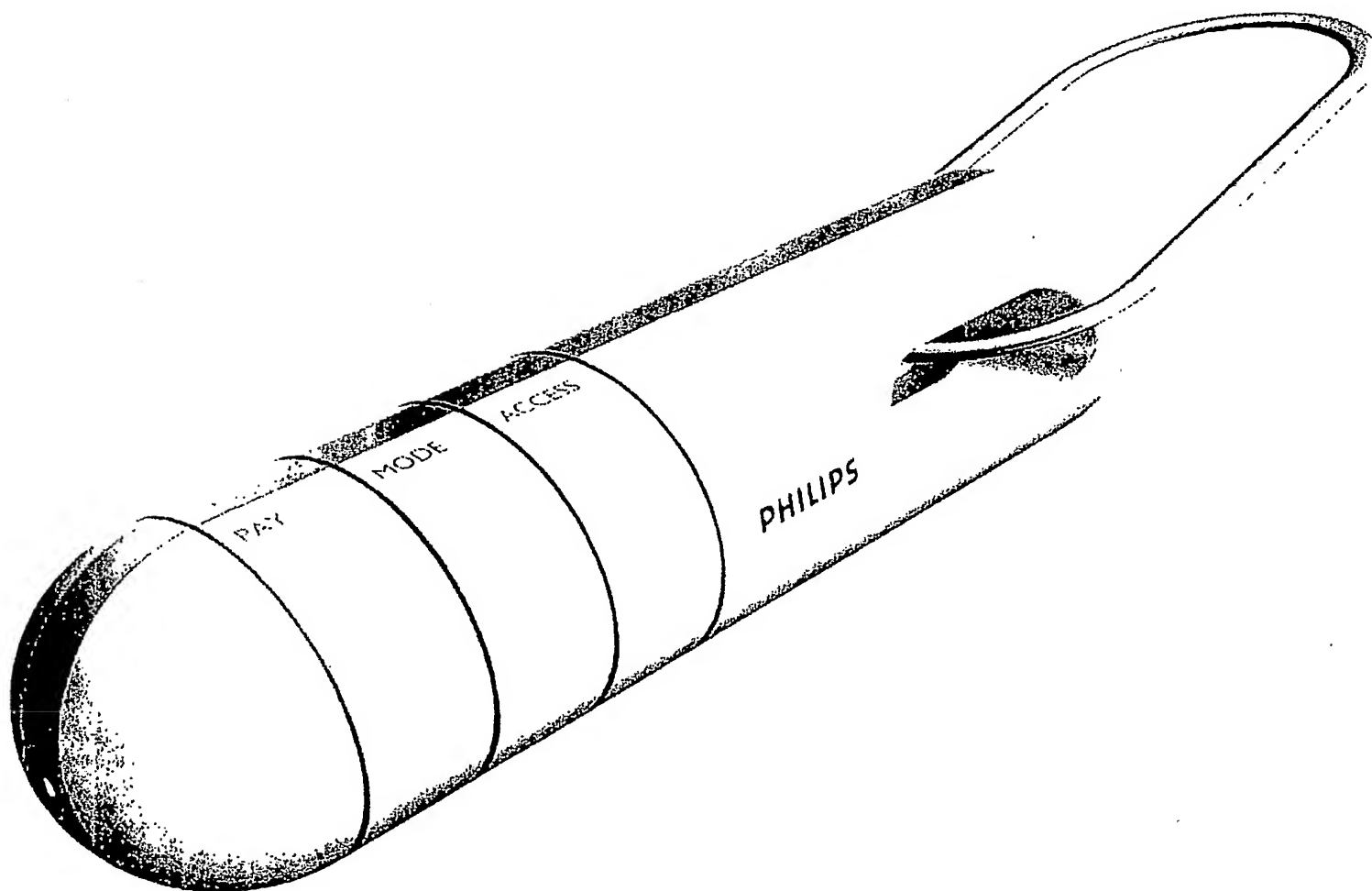


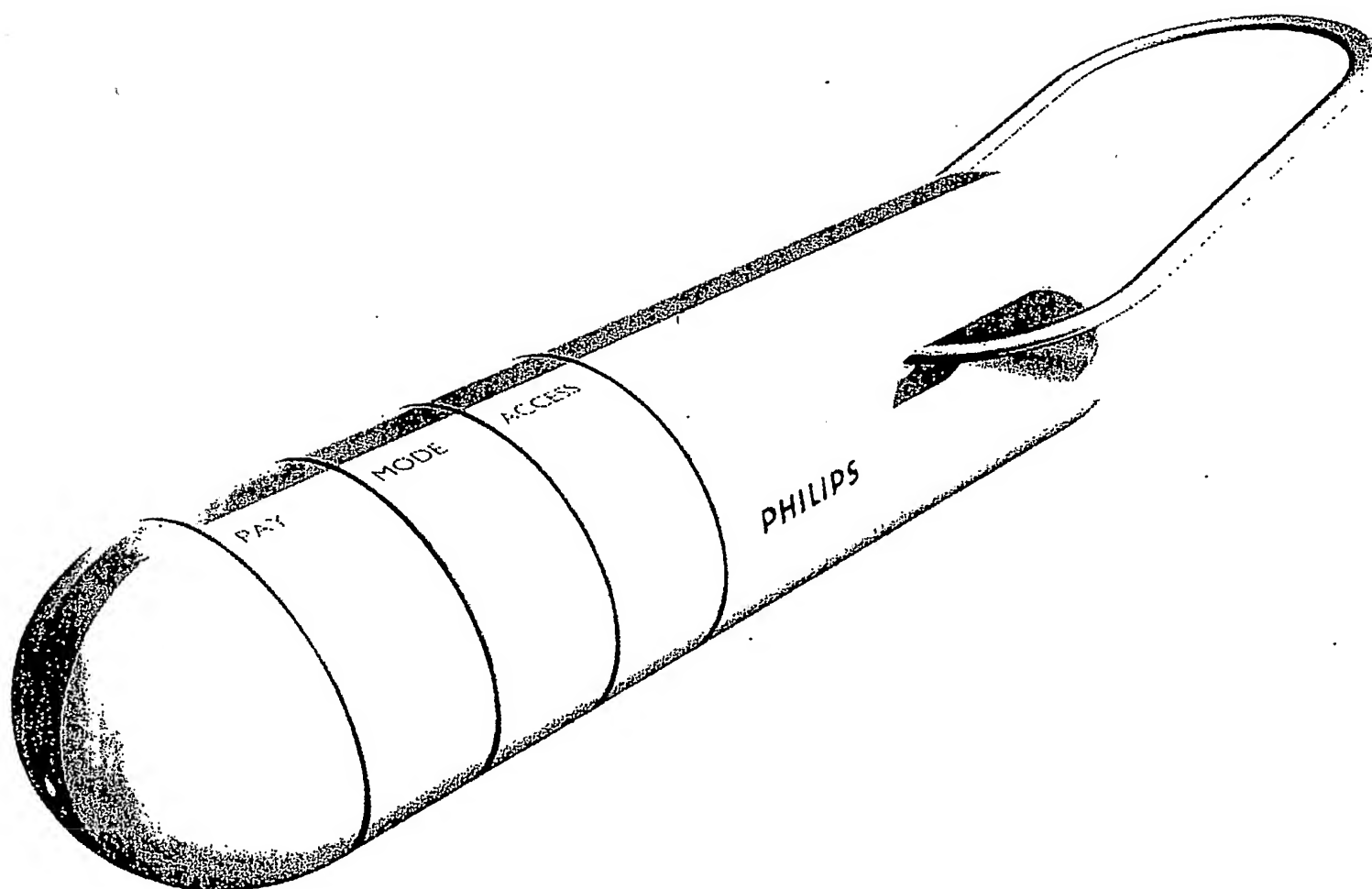


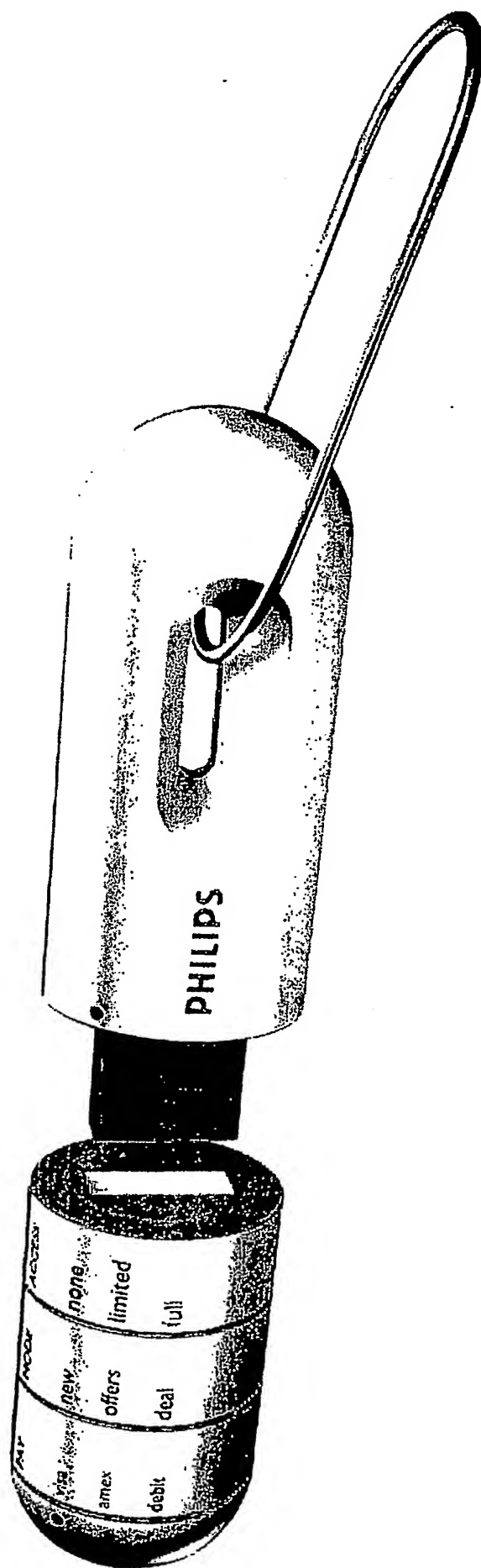












Title:

Author(s)

E. Anders
Francis Brown

Theme:

Description: **RF KEYCHAIN
SECURITY**

Key use/interest:
**KEEP INFORMATION UNTIL READY
TO DISTRIBUTE**

Target use & user:

Required infrastructure/partners:

Enabling technologies:

Specific risk or opportunity:

Illustrate, describe, visualize, the
products & services involved:

